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on June 4, 2003

Glenn P. Ladwig
Glenn P. Ladwig, Patent Attorney

INFORMATION DISCLOSURE
STATEMENT

Examining Group 1634

Patent Application

Docket No. GJE-78

Serial No. 09/937,784

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : Arun K. Chakrabarti
Art Unit : 1634
Applicant : Daniel Henry Densham
Serial No. : 09/937,784
Filed : September 28, 2001
Conf. No. : 7070
For : Polynucleotide Sequencing Using a Helicase

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§1.97 AND 1.98

Sir:

In accordance with 37 CFR §1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed.

This information is being submitted subsequent to the later of three months after the filing date of the present application or the mailing of the first Office Action on the merits, but before the mailing of a final action or the notice of allowance. Please charge the fee of \$180.00 to Deposit Account No. 19-0065.

06/09/2003 GWORDF1 00000007 190065 09937784

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The applicant respectfully asserts that the substantive provisions of 37 CFR §§1.97 and 1.98 are met by the foregoing statements.

Respectfully submitted,



Glenn P. Ladwig

Patent Attorney

Registration No. 46,853

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GPL/mv

Attachments: Form PTO/SB/08 (3 pages)

Copies of references cited



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PTO/SB/08A (08-00)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	09/937,784
Filing Date	September 28, 2001
First Named Inventor	Daniel Henry Densham
Group Art Unit	1634
Examiner Name	Arun K. Chakrabarti
Attorney Docket Number	GJE-78

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	U1	6,355,420	B1	Chan	03-12-2002	All
	U2	6,263,286	B1	Gilmanshin et al.	07-17-2001	All
	U3	6,221,642	B1	O'Donnell	04-24-2001	All
	U4	6,210,896	B1	Chan	04-03-2001	All
	U5	6,159,687		Vind	12-12-2000	All
	U6	5,801,042		Chang et al.	09-01-1998	All
	U7	5,753,439		Smith et al.	05-19-1998	All
	U8	5,620,854		Holzrichter et al.	04-15-1997	All
	U9	5,360,714		Seeger	11-01-1994	All
	U10	10/089,877		Densham (patent application)	04-30-2002	All
	U11	09/937,800		Densham (patent application)	09-27-2001	All
	U12	09/463,549		Densham (patent application)	01-27-2000	All
	U13					
	U14					
	U15					
	U16					
	U17					

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	F1	WO	00/60114	A2	Densham	10-12-2000	All	
	F2	WO	00/53805	A1	Stemple et al.	09-14-2000	All	
	F3	WO	00/09757	A1	Tegenfeldt et al.	02-24-2000	All	
	F4	WO	99/10366	A1	Yang et al.	03-04-1999	All	
	F5	WO	98/40496	A1	Brandis et al.	09-17-1998	All	
	F6	WO	97/26368	A1	Muller	07-24-1997	All	
	F7	WO	97/09451	A1	Chatterjee	03-13-1997	All	
	F8	WO	94/21822	A1	Koster	09-24-1994	All	
	F9	WO	93/21340	A1	Rosenthal et al.	10-28-1993	All	
	F10	WO	91/06678	A1	Tsien	05-16-1991	All	

Examiner
Signature

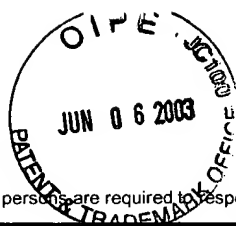
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 3

Complete if Known

Application Number 09/937,784
Filing Date September 28, 2001
First Named Inventor Daniel Henry Densham
Group Art Unit 1634
Examiner Name Arun K. Chakrabarti
Attorney Docket Number GJE-78

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		Number	Kind Code ² (if known)			
	U1					
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	F1	WO	90/13666	A1	Garland et al.	11-15-1990	All	
	F2	WO	90/05303	A1	Bergstrom et al.	05-17-1990	All	
	F3	EP	0 727 496	A2	Tabor et al.	11-24-1994	All	
	F4	EP	0 669 395	A2	Seibl et al.	02-24-1995	All	
	F5	EP	0 655 506	A1	Tabor et al.	11-24-1994	All	
	F6							
	F7							
	F8							
	F9							
	F10							

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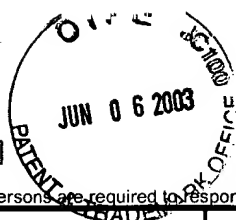
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Sheet

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of

3

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Application Number	09/937,784
Filing Date	September 28, 2001
First Named Inventor	Daniel Henry Densham
Group Art Unit	1634
Examiner Name	Arun K. Chakrabarti
Attorney Docket Number	GJE-78

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R1	FUREY, S. <i>et al.</i> "Use of Fluorescence Resonance Energy Transfer to Investigate the Conformation of DNA Substrates Bound to the Klenow Fragment" <i>Biochemistry</i> , 1998, 37:2979-2990.	
	R2	HA, T. <i>et al.</i> "Single-molecule fluorescence spectroscopy of enzyme conformational dynamics and cleavage mechanism" <i>Proc. Natl. Acad. Sci. USA</i> , February 1999, 96:893-898.	
	R3	HA, T., <i>et al.</i> "Probing the interaction between two single molecules: Fluorescence resonance energy transfer between a single donor and a single acceptor" <i>Proc. Natl. Acad. Sci. USA</i> , June 1996, 93:6264-6268.	
	R4	SCHWARZ, T. <i>et al.</i> "Detection of nucleic acid hybridization using surface plasmon resonance" <i>Trends in Biotechnology</i> , October 1991, 9(10):339-340.	
	R5	WEISS, S. "Fluorescence Spectroscopy of Single Biomolecules" <i>Science</i> , March 12, 1999, 283:1676-1683.	
	R6		
	R7		
	R8		
	R9		
	R10		
	R11		
	R12		
	R13		

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